

Illinois Environmental Protection Agency
Division of Land Pollution Control

RCRA INSPECTION REPORT

USEPA #: IL <u>D 0 9 5 7 9 2 8 5 9</u>	IEPA #: <u>1 4 3 8 0 5 0 0 0 6</u>
Facility Name: <u>Sherex Chemical Company, Inc.</u>	Phone #: <u>309/697-6220</u>
Street Address: <u>Route 24, P.O. Box 9</u>	County: <u>Peoria</u>
City: <u>Mapleton</u>	State: <u>Illinois</u> Zip: <u>61541</u>
Region: <u>Peoria</u>	Inspection Date: <u>11/30/80</u> From: <u>8:30 AM</u> To: <u>3:00 PM</u>
Weather: <u>SUNNY, 37°F</u>	

TYPE OF FACILITY

Notified As: <u>G/TSD</u>	Regulated As: <u>G/TSD</u>
LDF? <u>No</u> HPV? <u>No</u>	90-Day F/U Required?: YES <u> </u> NO <u>✓</u>

TYPE OF INSPECTION

CEI: <u>✓</u>	Sampling: <u> </u>	Citizen Complaint: <u> </u>	Closed: <u> </u>	Other: <u> </u>
CME/O&M: <u> </u>	Record Review: <u> </u>	Follow-Up to Inspection of: <u> </u>	Withdrawal: <u> </u>	

NON-REGULATED STATUS

SQG: <u> </u>	Claimed Nonhandler: <u> </u>	Other (Specify in Narrative): <u> </u>
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PART A

Notification Date: <u>8/18/80</u> , from (initial) or (subsequent) Notification.
Initial Part A Date: <u>11/18/80</u> Amended: <u>4/13/82</u>
Part A Withdrawal requested: <u> </u> / <u> </u> / <u> </u> Approved by (US)(IL) EPA: <u> </u> / <u> </u> / <u> </u>

PART B PERMIT APPLICATION

Part B Permit Submitted: <u>Y</u> or N <u>11/9/82</u>	Final Permit Issued: <u> </u> / <u> </u> / <u> </u>
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ENFORCEMENT

Has the firm been referred to --	USEPA: Y or <u>N</u> <u> </u> / <u> </u> / <u> </u>
Illinois Attorney General: Y or <u>N</u> <u> </u> / <u> </u> / <u> </u>	County State's Attorney: Y or <u>N</u> <u> </u> / <u> </u> / <u> </u>

ORDERS ISSUED

CACO: <u> </u> / <u> </u> / <u> </u>	CAFO: <u> </u> / <u> </u> / <u> </u>	Consent Decree: <u> </u> / <u> </u> / <u> </u>
Federal Court Order: <u> </u> / <u> </u> / <u> </u>	State Court Order: <u> </u> / <u> </u> / <u> </u>	IPCB Order: <u> </u> / <u> </u> / <u> </u>

TSD FACILITY ACTIVITY SUMMARY

Activity by Process Code	On Part A?	Activity Conducted Prior to 1980?	Was Activity Ever Done?	Closed	Being done at Time of Insp.?	Exempt per 35 IAC, Sec.	On Annual Report		
							1987	1988	1989
<u>501</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>No</u>	<u>Yes</u>	<u>No</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>

EPA Region 5 Records Ctr.



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8 JAN 1991

IEPA/DLFC

OPERATOR

Name	Sherex Chemical Company, Inc.	Name	Sherex Chemical Company, Inc.
Address	P.O. Box 646	Address	Route 24, P.O. Box 9
City	Dublin	City	Mapleton
State	Ohio	State	Illinois
Zip	43017	Zip	61547
Phone #	614/764-6500	Phone #	309/697-6220

PERSON(S) INTERVIEWED

TITLE

PHONE #

Serial R20	Mgr Env. Engineering	699-6222

INSPECTION PARTICIPANT(S)**AGENCY/TITLE****PHONE #**

James Jones	IEPA/EPs II	693-5462

PREPARED BY

AGENCY/TITLE**PHONE #**

James Jones	IEPA/EP5 II	693-5462
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SUMMARY OF APPARENT VIOLATIONS

[illegible][illegible][illegible]

NARRATIVE

On Friday, November 30, 1990, I conducted a Compliance Evaluation Inspection (CEI) in accordance with RCRA at Sherex Chemical Company, Inc.

Sherex is located south of Mapleton, Illinois off U.S. Route 24. They are a manufacturer of chemicals from naturally occurring ingredients, such as beef tallow, rape seed oil, coconut oil, palm oil and soybean oil. The facility submitted a Part A permit application to the Agency on August 18, 1980. They notified as a Generator/Storer (S01). Their Part B permit application was submitted to the Agency on November 9, 1988 and is currently undergoing a comprehensive technical review.

Sherex generates a variety of solid wastes, the majority of which are generated from their production processes. These wastes are special waste (nonhazardous). The remaining solid wastes generated are hazardous wastes. These wastes are recurrent. They are as follows.

Chlorinated solvent wastes (F002) are generated in the facility's laboratories (Quality Control Lab and Process Development Lab), involving the use of various chemicals for product improvement and product development. The facility generates one 55-gallon drum every three months of this waste. The last manifested shipment of this waste was August 22, 1990. It was shipped to Trade Waste Incinerator, ILD098642424, in Sauget, Illinois, for incineration. At the time of the inspection, two 55-gallon drums of this waste was observed in Storage Area #1.

Non-chlorinated solvent wastes (F003, F005) are also generated in the facility's laboratories. These wastes, like the chlorinated solvent wastes, are generated from the use of various chemicals for product improvement and product development. The facility generates one and one-third 55-gallon drums of this waste a month. The last manifested shipment of this waste was on June 20, 1990. It was shipped to Solvent Resource Recovery, OHD093945293, in West Carrollton, Ohio, for incineration. There were eleven 55-gallon drums of this waste in Storage Area #1.

Listed below are the chlorinated and non-chlorinated solvents that are used in Sherex's laboratories for product improvement and development:

Chlorinated Solvents

Carbon Tetrachloride
Chloroform

Non-chlorinated Solvents

Methanol
Toluene
n-Butanol
Pyridine

Waste naphtha (D001) is generated in the facility's Maintenance Building and Metal Organics Plant, where the facility utilizes Safety-Kleen parts washers to clean and degrease small parts. The facility generates about 50 gallons of waste naphtha a month. The

last manifested shipment of this waste was on November 6, 1990. It was shipped to Safety-Kleen, ILD093862811, in Pekin, Illinois, for recycling. The waste is stored in the parts washers, which are self-contained units.

Mercury Waste (D009) is generated in the facility's laboratories resulting from a product quality control distillation process involving solvent pitch and mercuric acetate. The facility generates about 5 gallons of this waste every four months. The last manifested shipment of this waste was on December 1, 1989. It was shipped to Chemical Waste Management, ALD00622464, in Emelle, Alabama, for solidification and landfilling. There were 15 gallons of this waste observed accumulating in three 5-gallon buckets in Storage Area #1 during the inspection.

During the inspection and tour of the facility, no apparent violations of 35 Ill. Adm. Code, Subtitle G, were observed.

Also, an LDR inspection report, in accordance with HSWA, was completed under separate cover. TCLP involving Sherex's nonhazardous special wastes were discussed. According to Serin Rao, plant environmental engineer, Sherex is analyzing these wastes on a prioritized basis. Meaning, those wastes which are generated in large volumes are analyzed for TCLP first to facilitate timely disposal. The other wastes which are generated in smaller volumes will be analyzed for TCLP on a predetermined basis.

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Facility Name: Sherex Chemical Co.
 USEPA #: IL D 0 9 5 7 9 2 8 5 9
 IEPA #: 1 4 3 8 0 5 0 0 0 6

WASTE DISPOSITION FORM

Waste Name (include haz & waste for which no determination has been made)	Generating Process (For waste gen. on site. N/A for TSD)	Date of Last Analysis	USEPA Haz Waste #			On Annual Report for: (Circle if present; cross out if not present)			Amount on Site	* Waste generated in 55 gal. drums Rate of Generation	Last Manifested Shipment	Disposition
			* On 8700-12	* On 3510-3	* 19 87	* 19 88	* 19 89					
Chlorinated solvent waste	Lab Waste	3/30/88	FO02	Yes	Yes	G	F	G	F	2-55gal drums, 1 drum every 3 mos.	8/28/90	Trade Waste Incinerator Sauget, Illinois 62201 ILD098642424 (Incineration)
Non-chlorinated solvent waste	Lab Waste	4/7/89	FO03 FO05	Yes	Yes	G	F	G	F	11-55gal drums 1 1/2 drums 2 month	6/20/90	Solvent Resource Recovery West Carrollton, Ohio 45447 OHD023945293 (Incineration)
Waste Naphtha	Parts cleaning	12/18/87	D001	Yes	Yes	G	F	G	F	UNKNOWN waste is collected in self-contained units 50 gals. 2 month	11/6/90	Safety-Kleen Corp. Pekin, Illinois 61554 ILD093862811 (Recycled)
Mercury waste	Lab Waste	6/13/87	D009	Yes	Yes	G	F	G	F	15 gals. 5 gals. every 4 mos.	12/1/89	Chemical Waste Mgmt. Emelle, AL 36726-35457 ALD000622464 (Solidification / Landfilled)
						G	F	G	F			
						G	F	G	F			
						G	F	G	F			
						G	F	G	F			
						G	F	G	F			
						G	F	G	F			
						G	F	G	F			
						G	F	G	F			
						G	F	G	F			

* All "NO" responses must be explained in narrative.

Facility Name: Sherex Chemical Company, Inc.

EUSEPA NUMBER: ILD 095792859

IEPA Number: 1438050006

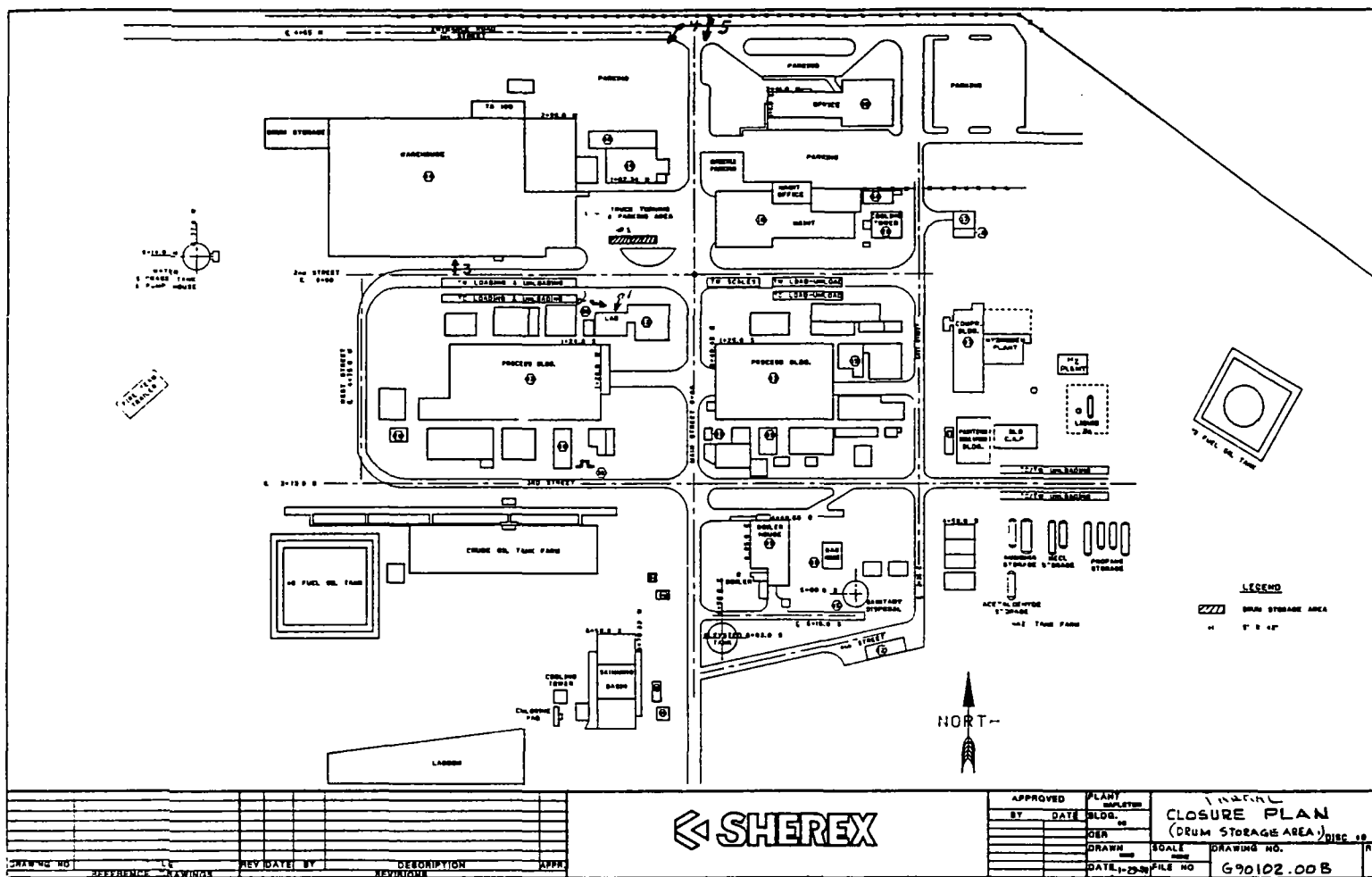
Sketch of: Site Accumulation Area(s)

Treatment Area(s)

Storage Area(s)

Disposal Area(s)

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LEGEND

→ Direction of Photographs

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